



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/692,523	10/24/2003	Victoria M. Richon	24852-501 CIP4	9840
Ivor R. Elrifi MINTZ, LEVIN, COHN, FERRIS, GLOVSKY AND POPEO P.C 666 Third Avenue, 24th Floor New York, NY 10017			EXAMINER ANDERSON, JAMES D	
			ART UNIT 1614	PAPER NUMBER
			MAIL DATE 09/20/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.		Applicant(s)	
	10/692,523		RICHON, VICTORIA M.	
	Examiner		Art Unit	
	James D. Anderson		1614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 June 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,12-15 and 157 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,12-15 and 157 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>3 sheets</u> . | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 1614

CLAIMS 1-3, 12-15 & 157 ARE PRESENTED FOR EXAMINATION

Applicants' amendment filed 6/29/2007 and Information Disclosure Statements filed 4/18/2007, 5/23/2007, and 6/21/2007 have been received and entered into the application. Accordingly, claims 1, 14-15, and 157 have been amended and claims 4-11 and 16-156 have been cancelled. Also, as reflected by the attached, completed copy of USPTO Form 1449 the cited references have been considered.

Applicants' arguments, filed 6/29/2007, have been fully considered but they are not deemed to be persuasive. Rejections and/or objections not reiterated from previous Office Actions are hereby withdrawn. The following rejections and/or objections are either reiterated or newly applied. They constitute the complete set presently being applied to the instant application.

Priority

Applicant's claim for the benefit of a prior-filed application under 35 U.S.C. § 119(e) or under 35 U.S.C. § 120, 121, or 365(c) is acknowledged. Upon further consideration, Applicant has not complied with one or more conditions for receiving the benefit of an earlier filing date under 35 U.S.C. § 119(e) and 35 U.S.C. § 120 as follows:

The later-filed application must be an application for a patent for an invention, which is also disclosed, in the prior application (the parent or original nonprovisional application or provisional application). The disclosure of the invention in the parent application and in the later-filed application must be sufficient to comply with the requirements of the first paragraph of 35

Art Unit: 1614

U.S.C. 112. See *Transco Products, Inc. v. Performance Contracting, Inc.*, 38 F.3d 551, 32 USPQ2d 1077 (Fed. Cir. 1994).

The disclosure of the prior-filed application, Application No. 60/361,759 (filed 3/4/2002), fails to provide adequate support or enablement in the manner provided by the first paragraph of 35 U.S.C. § 112 for one or more claims of this application.

The instantly claimed invention is drawn to the treatment of leukemia in a subject comprising orally administering a once daily dose of 400 mg of the histone deacetylase inhibitor, SAHA.

The disclosure of U.S. Provisional Application No. 60/361,759, filed 3/4/2002, is drawn to the use of histone deacetylase inhibitors, including the instantly claimed SAHA (page 7), for inducing terminal differentiation of neoplastic cells (page 9). The invention disclosed in the '759 application also provides a method of treating a patient "having a tumor" comprising administering an effective amount of any of the compounds disclosed therein (page 10). The term tumor, as used in the '759 application, is defined as any cancer caused by the proliferation of neoplastic cells, "such as lung cancer, acute lymphoid myeloma, Hodgkins lymphoma, non-Hodkins lymphoma, bladder melanoma, renal carcinoma, breast carcinoma, prostate carcinoma, ovarian carcinoma, or colorectal carcinoma" (page 11). The treatment of leukemia is not disclosed or supported by the '759 application.

In light of the above, the instantly claimed methods of treating leukemia in a subject comprising orally administering a once daily dose of 400 mg of the histone deacetylase inhibitor, SAHA, are afforded a priority date of 10/24/2003, the filing date of the instant application.

Art Unit: 1614

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. § 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR § 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. § 103(c) and potential 35 U.S.C. § 102(e), (f) or (g) prior art under 35 U.S.C. § 103(a).

Claims 1-3 and 157 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Vrana *et al.* (Oncogene, 1999, vol. 18, pages 7016-7025) (prior art of record) and Amin *et al.* (British Journal of Haematology, 2001, Vol. 115, pages 287-297) (prior art of record) in view of Curley *et al.* (Proceedings of ASCO, 2002, vol. 21, page 6b, entry 1831) (prior art of record)¹.

The instant claims recite the treatment of leukemia in a subject comprising orally administering a once daily dose of 400 mg of the histone deacetylase inhibitor, SAHA.

Vrana *et al.* teach that SAHA induces apoptosis in U937 human leukemia cells (Abstract). SAHA is second-generation hybrid polar compound recently shown to be a potent

¹ Curley *et al.* qualifies as prior art under 35 U.S.C. § 102(a) because the instantly claimed method of treating leukemia is not supported by Applicants' prior-filed Non-Provisional application (filed 3/4/2002).

Art Unit: 1614

inducer of differentiation in murine erythroleukemia (MEL) cells (page 7016). Another prototypical compound of the same class as SAHA, HMBA, has exhibited clinical activity in patients with myelodysplastic syndromes and leukemia (*id.*, right column). In MEL cells, SAHA has been shown to be 2,000-fold more potent than HMBA in promoting differentiation (*id.*). Further, treatment of MEL cells with SAHA (but not HMBA) has been found to inhibit histone deacetylases, enzymes implicated in the transcriptional regulation of genes involved in cellular maturation (*id.*). Vrana *et al.* show that when administered above threshold concentrations, SAHA “potently induces loss of U937 [leukemia cells of human origin] cell mitochondrial membrane potential and apoptosis” (page 7016 bridging page 7017). The authors conclude that the present findings demonstrate that SAHA, a hybrid polar compound and histone deacetylase inhibitor ~2000-fold more active than HMBA as an inducer of MEL cell maturation, potently triggers apoptosis in human myeloid leukemia cells (page 7023, left column). Finally, the authors suggest that, given evidence of activity of hybrid polar compounds such as HMBA in some hematologic malignancies, as well as the considerably greater potency of SAHA as an inducer of cell differentiation and apoptosis (in murine leukemia cells), “further efforts to elucidate the molecular determinants of action of SAHA and related agents could have therapeutic implications” (page 7023, right column). Vrana *et al.* do not expressly disclose the treatment of leukemia in a subject using the instantly claimed oral dose of 400 mg.

Amin *et al.* teach that inhibition of histone deacetylase is emerging as a promising therapeutic tool in malignant diseases including acute myelogenous leukemia (page 287, right column). The present study demonstrates that histone deacetylase inhibitors (including the instantly claimed SAHA) induce caspase-dependent apoptosis in acute promyelocytic leukemia

Art Unit: 1614

and the authors conclude that “apoptosis induced by HDAC inhibitors in APL could provide an effective strategy for treatment of patients with *t*(15;17)” (Abstract; Figure 5; page 294, right column; page 296).

Curley *et al.* teach that the histone deacetylase inhibitor, SAHA, has good bioavailability and biologic activity when orally administered. A new oral formulation of SAHA was escalated in patients from 200 mg daily, 400 mg daily, 400 mg BID (twice a day), 800 mg BID, 1200 mg BID, 1600 mg BID, and 2000 mg BID (Abstract). Accordingly, the authors conclude that oral administration of SAHA is feasible and does have biologic activity (*id.*).

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Scope and Content of the Prior Art

In the instant case, Vrana *et al.* and Amin *et al.* teach the instantly claimed SAHA, demonstrate that it induces apoptosis in a human leukemia cell lines *in vitro*, and teach that SAHA is more potent than a related compound that has exhibited clinical activity in patients with leukemia. Curley *et al.* teach that oral administration of SAHA, in doses ranging from 200 daily to 2000 mg twice a day, is biologically active and exhibits good bioavailability.

Differences Between Prior Art and Claims

The instantly claimed methods appear to differ from the methods taught in Vrana *et al.* and Amin *et al.* in that the treatment of leukemia in a subject in the oral doses instantly claimed are not explicitly taught in the references. However, Curley *et al.* suggest and motivate the instantly claimed oral doses of SAHA and further teach that such doses have biological activity.

Level of Ordinary Skill in the Art

A person having ordinary skill in the art at the time of the present invention would generally be a physician with several years of experience in drug administration.

Objective Evidence and Motivation

In light of the above findings relating to the three *Graham* factors, the skilled artisan would have been motivated to administer the histone deacetylase inhibitor, SAHA, to treat leukemia in subjects in the oral dose instantly claimed. With respect to the instantly claimed oral administration, Curley *et al.* suggest and motivate the instantly claimed oral doses of SAHA and further teach that such doses have biological activity. Thus, one skilled in the art would reasonably expect that SAHA, as taught in Vrana *et al.* and Amin *et al.* as a potent inducer of apoptosis in human leukemia cell lines, could be effectively orally administered in the instantly claimed dose.

Finally, it is well established in the art that researchers routinely use *in vitro* assays in order to establish efficacy of potential anticancer agents. Such assays are generally considered by those skilled in the art to be reasonably predictive of *in vivo* efficacy. *In vitro* testing permits

Art Unit: 1614

an investigator to establish the rank order of compounds with respect to the particular pharmacological activity, *i.e.*, to determine the relative potency of the compounds. Compounds having the highest ranking or potency are then selected for further testing *in vivo*. Presumably this is the accepted practice in the pharmaceutical industry as *in vitro* testing, in general, is relatively less complex, less time consuming, and less expensive than *in vivo* testing. Moreover, *in vitro* results with respect to a particular pharmacological activity are generally predictive of *in vivo* test results, *i.e.*, there is a reasonable correlation therebetween. Were this not so, the testing procedures of the pharmaceutical industry would not be as they are. While the Examiner concedes that there is not an invariable exact correlation between *in vitro* test results and *in vivo* test results, successful *in vitro* testing for a particular pharmacological activity establishes a significant probability that *in vivo* testing for this particular pharmacological activity will be successful. For example, the court held in *Cross et al. v. Iizuka et al.*, 224 USPQ 739 (Fed. Cir. 1985) that:

“...*in vivo* testing is but an intermediate link in a screening chain which may eventually lead to the use of the drug as a therapeutic agent in humans. We perceive no insurmountable difficulty, under appropriate circumstances, in finding that the first link in the screening chain, *in vitro* testing, may establish a practical utility for the compound in question. Successful *in vitro* testing will marshal resources and direct the expenditure of effort to further *in vivo* testing of the most potent compounds, thereby providing an immediate benefit to the public, analogous to the benefit provided by the showing of an *in vivo* utility”. Cf. *Nelson*, 626 F.2d at 856, 206 USPQ at 883.

While the issue in *Cross et al. v. Iizuka et al.* was directed to the utility provision of 35 U.S.C. § 101, the fact remains that *in vitro* testing is an established practice in the art of drug discovery that establishes both the motivation to treat a human patient as well as establishing a reasonable expectation of success.

Art Unit: 1614

Thus, it would have been *prima facie* obvious to one of ordinary skill in the art to treat leukemia by orally administering SAHA in the dose instantly claimed. It is the Examiner's position that Vrana *et al.* and Amin *et al.* motivate the treatment of leukemias by administering compounds such as SAHA. Oral administration of the compounds of the invention is also suggested as an effective administration route for SAHA as evidenced by Curley *et al.* Although the administration disclosed in Curley *et al.* was not for the treatment of leukemia, one skilled in the art would have been motivated to use the oral doses disclosed in Curley *et al.* to treat leukemias as suggested and motivated by Vrana *et al.* and Amin *et al.* The combined references clearly teach that: 1) SAHA may be effective in the treatment of leukemias (Vrana *et al.* and Amin *et al.*); 2) SAHA is a histone deacetylase inhibitor that is orally bioavailable and biologically active in the doses instantly claimed (Curley *et al.*); and 3) compounds similar to SAHA been demonstrated to be effective in the clinical treatment of leukemia (Vrana *et al.*).

Thus, the skilled artisan would have been imbued with at least a reasonable expectation that leukemia could be effectively treated by oral administration of SAHA to patients having leukemias.

Claims 12-15 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Vrana *et al.* (Oncogene, 1999, vol. 18, pages 7016-7025) (prior art of record), Amin *et al.* (British Journal of Haematology, 2001, Vol. 115, pages 287-297) (prior art of record), and Curley *et al.* (Proceedings of ASCO, 2002, vol. 21, page 6b, entry 1831) (prior art of record) as applied to claims 1-3 and 157 above, and further in view of Grant *et al.* (Pub. No. 2005/0004007 A1, based

Art Unit: 1614

on the earlier U.S. filing date) (cited by Applicants in IDS filed 4/18/2007) and Kabadi (EP 0 547 000 A1) (cited by Applicants in IDS filed 4/18/2007).

Claims 12-15 of the instant application recite methods of orally administering a composition comprising SAHA, wherein the composition is contained in gelatin capsules and further comprises microcrystalline cellulose, sodium croscarmellose, and magnesium stearate.

Scope and Content of the Prior Art

Grant *et al.* teach oral administration (page 4, [0036]) of agents, which include the instantly claimed SAHA (page 5, [0039]). The reference also teaches soft or hard gelatin capsules for administration purposes (page 5, line 6). Grant *et al.* do not teach microcrystalline cellulose, croscarmellose sodium, and magnesium stearate as components of the pharmaceutical compositions disclosed therein.

However, Kabadi teaches a pharmaceutical composition for oral administration comprising fluvastatin (active ingredient), microcrystalline cellulose, croscarmellose sodium, and magnesium stearate (page 9, Example 4).

Differences Between Prior Art and Claims

The prior art does not expressly teach a composition for oral administration comprising SAHA, microcrystalline cellulose, croscarmellose sodium, and magnesium stearate.

Objective Evidence and Motivation

Microcrystalline cellulose, croscarmellose sodium, and magnesium stearate are commonly used excipients in pharmaceutical compositions that are to be administered orally as evidenced by Kabadi. The above additives are well known to those skilled in the art as physiologically inactive ingredients that are added as a binder, disintegrant, and lubricant, respectively. One of ordinary skill in the art would find it obvious to use the claimed physiologically inactive ingredients taught in Kabadi in a pharmaceutical composition comprising SAHA for oral administration.

Claims 1-3 and 157 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Vrana *et al.* (Oncogene, 1999, vol. 18, pages 7016-7025) (prior art of record) and Amin *et al.* (British Journal of Haematology, 2001, Vol. 115, pages 287-297) (prior art of record) in view of Breslow *et al.* (U.S. Patent No. 6,087,367; Issued Jul. 11, 2000) (prior art of record).

Vrana *et al.* and Amin *et al.* disclose as discussed *supra*. The references do not teach treating “subjects” with leukemia by oral administration of SAHA.

However, Breslow *et al.* teach methods of selectively inducing terminal differentiation of neoplastic cells and thereby inhibiting proliferation of such cells (Abstract). The invention also provides a method of treating patients having tumors comprising administering to said patient a compound of the invention (Abstract; col. 2, lines 44-47; col. 11, line 60 to col. 12, line 17). The compounds disclosed in Breslow *et al.* include the instantly claimed SAHA (col. 7, lines 1-42; col. 26, line 55 to col. 27, line 24; Table 1, Compound 3). Administration of the disclosed compounds may be effected orally or parenterally (col. 11, line 67 to col. 12, line 1). Breslow *et*

Art Unit: 1614

al. do not expressly disclose the instantly claimed oral dose of SAHA or the specific treatment hematological malignancies such as leukemia.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Scope and Content of the Prior Art

In the instant case, Vrana *et al.* and Amin *et al.* motivate the use of SAHA to treat leukemias as discussed *supra* and Breslow *et al.* suggest that SAHA may be orally administered. Further, Breslow *et al.* suggest that the compounds of the invention, including the instantly claimed SAHA, are useful in methods of inducing terminal differentiation of neoplastic cells.

Differences Between Prior Art and Claims

The instantly claimed methods appear to differ from the methods taught in Vrana *et al.* and Amin *et al.* in that oral administration of SAHA to a subject is not explicitly taught. The instantly claimed methods differ from Breslow *et al.* in that the specific treatment of leukemia comprising a once daily 400 mg oral dose of SAHA is not explicitly taught in the reference.

Art Unit: 1614

Level of Ordinary Skill in the Art

A person having ordinary skill in the art at the time of the present invention would generally be a physician with several years of experience in drug administration.

Objective Evidence and Motivation

In light of the above findings relating to the three *Graham* factors, the skilled artisan would have been motivated to administer the histone deacetylase inhibitor, SAHA, to treat leukemia in the oral dose instantly claimed. With respect to the treatment of leukemia, the Examiner refers to the discussion *supra*. With respect to the instantly claimed 400 mg once daily oral administration of SAHA, optimization of patient dosing is more than routine in the art of drug administration. For example, once a candidate drug has been chosen through *in vitro* and *in vivo* screening, Phase I clinical trials are conducted in order to develop the best dosing regimen for Phase II trials. As such, the instantly claimed 400 mg once daily dose of SAHA would have been *prima facie* obvious because such a dosing regimen could have been elucidated through routine experimentation and optimization.

Claims 12-15 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Vrana *et al.* (Oncogene, 1999, vol. 18, pages 7016-7025) (prior art of record), Amin *et al.* (British Journal of Haematology, 2001, Vol. 115, pages 287-297) (prior art of record), and Breslow *et al.* (U.S. Patent No. 6,087,367; Issued Jul. 11, 2000) (prior art of record) as applied to claims 1-3 and 157 above, and further in view of Grant *et al.* (Pub. No. 2005/0004007 A1, based on the earlier U.S.

Art Unit: 1614

filing date) (cited by Applicants in IDS filed 4/18/2007) and Kabadi (EP 0 547 000 A1) (cited by Applicants in IDS filed 4/18/2007).

Claims 12-15 of the instant application recite methods of orally administering a composition comprising SAHA, wherein the composition is contained in gelatin capsules and further comprises microcrystalline cellulose, sodium croscarmellose, and magnesium stearate.

Scope and Content of the Prior Art

Grant *et al.* teach oral administration (page 4, [0036]) of agents, which include the instantly claimed SAHA (page 5, [0039]). The reference also teaches soft or hard gelatin capsules for administration purposes (page 5, line 6). Grant *et al.* do not teach microcrystalline cellulose, croscarmellose sodium, and magnesium stearate as components of the pharmaceutical compositions disclosed therein.

However, Kabadi teaches a pharmaceutical composition for oral administration comprising fluvastatin (active ingredient), microcrystalline cellulose, croscarmellose sodium, and magnesium stearate (page 9, Example 4).

Differences Between Prior Art and Claims

The prior art does not expressly teach a composition for oral administration comprising SAHA, microcrystalline cellulose, croscarmellose sodium, and magnesium stearate.

Art Unit: 1614

Objective Evidence and Motivation

Microcrystalline cellulose, croscarmellose sodium, and magnesium stearate are commonly used excipients in pharmaceutical compositions that are to be administered orally as evidenced by Kabadi. The above additives are well known to those skilled in the art as physiologically inactive ingredients that are added as a binder, disintegrant, and lubricant, respectively. One of ordinary skill in the art would find it obvious to use the claimed physiologically inactive ingredients taught in Kabadi in a pharmaceutical composition comprising SAHA for oral administration.

Conclusion

No claims are allowed.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to James D. Anderson whose telephone number is 571-272-9038. The examiner can normally be reached on MON-FRI 9:00 am - 5:00 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ardin Marschel can be reached on 571-272-0718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR

Art Unit: 1614

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



James D. Anderson
Patent Examiner
AU 1614

September 13, 2007



ARDIN H. MARSCHEL
SUPERVISORY PATENT EXAMINER